

JUN 23 2009

**VALUE ENGINEERING CHANGE PROPOSAL**  
**MISSOURI DEPARTMENT OF TRANSPORTATION**

Construction & Materials - ECR

Date 2/23/09

Contract ID 090123-301

Job No. J3I0775

County Montgomery

Original Bid Cost \$559,158.73

Contractor Lehman Construction LLC

By Adam Carroll

Designed By MoDot

Phone 573-796-8101

VECP# 09-43 (to be completed by C.O.)

VECP ☐ or VEC/PDU ☐

**1. Description of existing requirements and proposed change(s). Advantages/Disadvantages**

The project is set-up in 4 different phases and would require a lane closure on I-70 four different times for 4.5 days each. Lehman Construction proposes to this project in three different phases and shorten up the project and the time that I-70 would be affected

**2. Estimate of reduction in construction costs.** \$20,707.40

**3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.**

I do not predict that there will be any other cost to the department with this change.

**4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.**

March 2, 2009

(date)

**5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.**

March 11, 2009

(date)

This is the anticipated start date.

(effect)

**6. Dates of any previous or concurrent submission of the same proposal.**

N/A

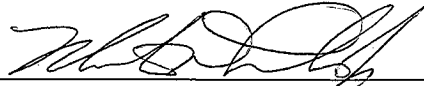
(date and/or dates)

Additional Comments:

**\*\* Portion Below This Line To Be Filled Out by MoDOT \*\***

**Comments:**

I think this proposal is a great option for the contractor to try. This was held until after the first phase to see if the contractor could feasibly perform this option. This would be a great impact to the traffic on I-70 as it would reduce the amount of closure time on the project, reducing the risk of potential accidents in the workzone. I recommend that we move forward with this VE proposal.



Submitted By Resident Engineer

5/7/09

Date

**Comments:**

Agree with RE, this proposal was discussed and agreed to back in March of 2009. However due to delays on project due to weather and fact that contractor was unsure, due to delays, that he could staff up project with enough men / equipment to actually do this proposal, this VE was never officially sent through. But it only makes sense that if we could reduce number of closures that this would benefit everyone.

☒ Approval  
Recommended



District Engineer

5/8/09

Date

☐ Rejection  
Recommended

**Comments:**

☐ Approval  
Recommended

N/A

☐ Rejection  
Recommended

Federal Highway Administration  
Required for FHWA Full Oversight Projects

Date

**Comments:**

We agree with district's recommendation. D.G.

☒ Approval



6-30-09

☐ Rejection

State Construction and Materials Engineer

Date

OK DMLG 6/19/2009



Value Engineering Breakdown of savings for J310775 (090123-301).

The following are the savings for doing phase 2A & 2B at one time and not having the cost of stage 2B striping, barrier relocation and impact attenuator relocation.

<u>Line No.</u>	<u>Description</u>	<u>Unit Measure</u>	<u>Unit Price</u>	<u>Quantity</u>	<u>Total</u>
140	Impact Attenuator Relocation	Each	\$ 1,000.00	\$ 1.00	\$ 1,000.00
220	Barrier Relocation	LF	\$ 8.50	\$ 766.00	\$ 6,511.00
240	4 in White Marking Tape	LF	\$ 1.30	\$ 3,562.00	\$ 4,630.60
250	4 in Yellow Marking Tape	LF	\$ 1.30	\$ 3,930.00	\$ 5,109.00
280	Pavement Marking Removal	LF	\$ 0.40	\$ 8,642.00	\$ 3,456.80
				Total	\$ 20,707.40

# VALUE ENGINEERING CHECK SHEET

## TYPE OF WORK

(Check one that applies)

- ☐ Bridge/Structure/Footings
- ☐ Drainage Structures (RCP, RCB, CMP's, ect.)
- ☐ TCP/MOT
- ☒ Paving (PCCP, ect.)
- ☐ Grading/MSE Walls
- ☐ Signal/Lighting/ITS
- ☐ Misc. -

## SUMMARY OF PROPOSAL

(If needed, condense summary to a couple of lines)

This VE involves a change in the staging to reduce the time that interstate traffic is disrupted.

## SCANNING OF DOCUMENT

If the proposal is large, please mark or make note, which pages need to be scanned into the database. If there are special instructions, make note of them here.